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(FILE 'HOME' ENTERED AT 11:51:44 ON 31 MAR 2003)

FILE 'CA' ENTERED AT 11:51:53 ON 31 MAR 2003

L1 1445667 S WELL OR SUBTERRANEAN OR HOLE  
L2 33415 S L1 AND (RUBBER OR FLEXIBLE(W) MATERIAL? OR POLYAMIDE? OR POLYP  
L3 440 S L2 AND (CEMENT OR HYDRAULIC(W) BINDER? OR HYDRAULIC(W) BINDER)

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L3 ANSWER 55 OF 440 CA COPYRIGHT 2003 ACS  
 AN 134:284754 CA  
 TI Cementitious compositions for cementing oil wells containing plastic and **rubber** particulates  
 IN Le Roy-Delage, Sylvaine; Thiercelin, Marc  
 PA Sofitech N.V., Belg.; Schlumberger Canada Limited; Compagnie des Services Dowell Schlumberger  
 SO PCT Int. Appl., 20 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM C04B028-02  
 ICS E21B033-13; C04B028-02; C04B014-36; C04B016-04  
 CC 58-3 (Cement, Concrete, and Related Building Materials)  
 Section cross-reference(s): 51  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025163	A1	20010412	WO 2000-EP9203	20000919
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2799458	A1	20010413	FR 1999-12661	19991007
	FR 2799458	B1	20011221		
	GB 2368841	A1	20020515	GB 2002-2073	20000919
	NO 2002001587	A	20020404	NO 2002-1587	20020404
PRAI	FR 1999-12661	A	19991007		
	WO 2000-EP9203	W	20000919		

AB The cementitious compns. for oil well plugging comprise an **hydraulic binder** (esp. portland cement), dense particles (esp. hematite) with a d. higher the d. of the **hydraulic binder**, and reinforcing particles with an av. size of 100-500 .mu.m and a d. of .ltoreq.1.5 g/cm<sup>3</sup>, preferably .ltoreq.1.2 g/cm<sup>3</sup>, constituted by a **flexible material** (selected from **polyamide, polypropylene, polyethylene, styrene butadiene rubber, or styrene divinylbenzene**) of low compressibility and with an av. grain size of .ltoreq.600 mm. The compns. may also contain .gtoreq.1 additive such as suspension agent, dispersion agent (e.g., polynaphthalene sulfonate), antifoaming agent, retarder (e.g., lignosulfonate), setting accelerator, gas migration control agent, or expansion agent (e.g., MgO or a mixt. of MgO and CaO). The compns. are of particular advantage when cementing zones which are subjected to extreme stresses, such as perforation zones and the junctions of a multi-branch lateral well. They are also highly suitable for producing plugs.  
 ST **cement rubber aggregate plugging oil well**  
 IT Setting agents

L3 ANSWER 90 OF 440 CA COPYRIGHT 2003 ACS  
 AN 133:78090 CA  
 TI Cementing compositions and use for cementing oil wells or the like  
 IN Le Roy-Delage, Sylvaine; Dargaud, Bernard; Thiercelin, Marc  
 PA Sofitech N.V., Belg.; Schlumberger Canada Limited; Compagnie Des Services  
 Dowell Schlumberger  
 SO PCT Int. Appl., 38 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM C04B028-02  
 ICS C04B016-04; C04B028-02; C04B016-04; C04B111-50  
 CC 58-1 (Cement, Concrete, and Related Building Materials)  
 Section cross-reference(s): 38

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000037387	A1	20000629	WO 1999-EP9800	19991210
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2787441	A1	20000623	FR 1998-16104	19981221
	BR 9916160	A	20011030	BR 1999-16160	19991210
	EP 1152996	A1	20011114	EP 1999-963494	19991210
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	NO 2001003059	A	20010821	NO 2001-3059	20010620
PRAI	FR 1998-16104	A	19981221		
	WO 1999-EP9800	W	19991210		
AB	Cementing compns. for oil wells or the like comprise a <b>hydraulic binder</b> and reinforcing particles constituted by a <b>flexible material</b> of low compressibility, and with an av. grain size of less than 500 <mm. The Young's modulus of the reinforcing particle material is <5000 MPa, preferably <3000 MPa, and more preferably <2000 MPa, and the Poisson ratio is >0.3:1. This material may be selected from a <b>polyamide, polypropylene, polyethylene, styrene-butadiene copolymer and styrene-divinylbenzene copolymer</b> . The compns. of the invention are of particular advantage when cementing zones which are subjected to extreme dynamic stresses, such as perforation zones and the junctions of a multi-branch lateral well. They are also highly suitable for producing plugs.				
ST	polymer reinforcing particle oil well cement				